ABSTRACT OF THE DISCLOSURE

A stereo widening processing algorithm is used to provide a system and method for giving a listener an impression that a stereo audio signal having left and right channels is emanating from a virtual source spaced away from left and right stereo loudspeakers. This algorithm, which works particularly well when the loudspeakers are spaced apart by a distance that is less than optimal, introduces and filters cross-talk from the left channel to the right loudspeaker and cross-talk from the right channel to the left loudspeaker to only introduce cross-talk at frequencies below approximately 2kHz, and primarily between 500 Hz to 1.5kHz. The desired stereo widening is thereby achieved without noticeably affecting the sound quality of the stereo audio signal when played on the loudspeakers.

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